What is claimed is:

1.   A method for quantifying asymmetry of body positions during a movement, comprising:
synchronizing one or more sets of data, wherein each set of data comprises two
subsets of data, wherein one subset of data comprises body position
representations on a left side of a body and one subset of data comprises body
position representations on a right side of the body, and wherein each subset
of data comprises body position representations spanning the movement; and
calculating a value based on the one or more synchronized sets of data.

2.   The method of claim 1 wherein the body positions are angles of joints.

3.   The method of claim 1 wherein the body positions are angles of corresponding joints.

4.   The method of claim 1 wherein the movement comprises one or more cycles.

5.   The method of claim 1 further comprising creating a figure by graphing the body position representations in the synchronized set of data.

6.   The method of claim 5 wherein the figure is a cyclogram.

7.   The method of claim 6 wherein the calculated value is an area of the cyclogram.

8.   The method of claim 6 wherein the calculated value is an orientation of the cyclogram.

9.   The method of claim 6 wherein the calculated value is a minimum moment magnitude of the cyclogram.

10.   The method of claim 1 further comprising comparing the calculated value to a corresponding calculated value of a perfectly symmetrical movement or a baseline movement.

11.   The method of claim 1 wherein synchronizing a set of data comprises associating a body position representation in one subset of data with a body position representation in another subset of data such that associated body position representations each refer to a corresponding event in the movement.

12.   A method for quantifying asymmetry of joint angles during a cycle of movement, comprising:

>> obtaining a set of data entries, wherein a data entry consists of one or more pairs of angle measurements, a pair comprising one angle measurement for a left joint and one angle measurement for a corresponding right joint at a same point in time, and wherein the set comprises data entries spanning the cycle of movement;

>> synchronizing the set of data entries;

>> generating a cyclogram;

>> calculating a characteristic of the generated cyclogram; and

>> comparing the characteristic to a corresponding characteristic of a cyclogram representing a perfectly symmetrical gait.

13.   A system for quantifying asymmetry of body positions during a movement, comprising:

>> a synchronizing module that synchronizes one or more sets of data, wherein each set of data comprises two subsets of data, wherein one subset of data comprises body position representations on a left side of a body and one subset of data comprises body position representations on a right side of the body, and wherein each subset of data comprises body position representations spanning the movement; and

>> a calculating module that calculates a value based on the one or more synchronized sets of data.

14.   A computer program product for quantifying asymmetry of body positions during a movement, including a computer readable medium, which comprises instructions to perform the following:

>> synchronizing one or more sets of data, wherein each set of data comprises two subsets of data, wherein one subset of data comprises body position representations on a left side of a body and one subset of data comprises body position representations on a right side of the body, and wherein each subset of data comprises body position representations spanning the movement; and

>> calculating a value based on the one or more synchronized sets of data.